

AMENDMENTS TO THE CLAIMS:

Please amend the claims as shown below. A complete listing of the claims, including their current status, is set forth below.

1-30. (Cancelled)

31. (New) A method of screening comprising:

contacting a G protein-coupled receptor (GPCR) with a candidate compound, wherein said GPCR is encoded by a nucleic acid capable of hybridizing under stringent conditions to the complement of the nucleotide sequence of SEQ ID NO:19, wherein said stringent conditions comprise a wash in 0.1 X SSC at 65 °C, and wherein said GPCR is constitutively active; and

determining whether said candidate compound inhibits or stimulates said GPCR.

32. (New) The method of claim 31, wherein said GPCR comprises the amino acid sequence of SEQ ID NO:20.

33. (New) The method of claim 31, wherein said GPCR comprises the amino acid sequence of SEQ ID NO:20, except for a substitution of lysine for glycine at amino acid residue 285 of SEQ ID NO:20.

34. (New) The method of claim 31, wherein said GPCR is part of a fusion protein.

35. (New) The method of claim 31, wherein said method comprises determining whether said candidate compound is an agonist of said GPCR.

36. (New) The method of claim 31, wherein said method comprises determining whether said candidate compound is an inverse agonist of said GPCR.

37. (New) The method of claim 35 or 36, further comprising formulating said candidate compound as a pharmaceutical.

38. (New) The method of claim 31, wherein said GPCR is present on a host cell or an isolated membrane thereof.

39. (New) The method of claim 38, wherein said host cell comprises an expression vector encoding said GPCR.

40. (New) The method of claim 38, wherein said host cell is a mammalian host cell.

41. (New) The method of claim 38, wherein said host cell is a yeast host cell.

42. (New) The method of claim 31, wherein said determining comprises detecting or measuring a second messenger of said GPCR.

43. (New) The method of claim 38, wherein said host cell comprises a cAMP-responsive reporter system.

44. (New) The method of claim 31, wherein said determining comprises measuring binding of GTP γ S to a membrane comprising said GPCR.

45. (New) The method of claim 31, further comprising employing said candidate compound to identify a cell in the *substantia nigra*.